

RECEIVED  
CENTRAL FAX CENTER

JAN 15 2007

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Tarvin, Jeffery A. et al.

§

Group Art Unit: 3676

§

Serial No.: 10/711,918

§

Examiner: Ditrani, Angela M.

§

Filed: October 13, 2004

§

§

For: SYSTEM AND METHOD TO  
INTERPRET DISTRIBUTED  
TEMPERATURE SENSOR DATA AND  
TO DETERMINE A FLOW RATE IN A  
WELL

§

§

Atty. Docket: 101.0166

§

§

§

§

§

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450CERTIFICATE OF TRANSMISSION  
37 C.F.R. 1.8I hereby certify that this correspondence was transmitted by facsimile to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450  
at 571-273-8300 on the date below:

January 15, 2007

Date

**RESPONSE TO RESTRICTION REQUIREMENT**

Dear Sir:

In response to the Office Action mailed December 21, 2006, the Applicants elect to prosecute Invention I, claims 1-48, in the present application. This election is made without traverse. Claims 49-94 are hereby withdrawn without prejudice to the filing of divisional applications. Please amend the application as follows:


RECEIVED  
CENTRAL FAX CENTER

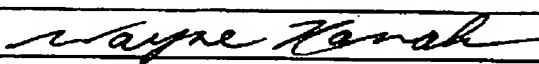
JAN 15 2007

PTO/SB/21 (09-06)  
Approved for use through 03/31/2007. OMB 0951-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10711,918	
	Filing Date	October 13, 2004	
	First Named Inventor	Tarvin, Jeffery A.	
	Art Unit	3676	
	Examiner Name	Ditreni, Angela M.	
Total Number of Pages in This Submission	14	Attorney Docket Number	101.0166US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Schlumberger Technology Corporation		
Signature			
Printed name	Wayne Kanak		
Date	January 16, 2007	Reg. No.	35, 564

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Wayne Kanak	Date	January 15, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.